

The file PSYCH_97.DAT contains data from the 1997 follow-up (Cycle 5) examination that were used to perform the exposure analyses for the Psychology chapter (Chapter 12 – 1997 follow-up report).

Variable	Column	Variable Type	Comment
SEQNO	1-5	Character	AFHS participant identification
EXPGRP	6-10	Character	Exposure group [a) RH = Ranch Hand; b) C = Comparison]
EXPI	11	Numeric	Exposure group [1 = Ranch Hand; 2 = Comparison]
BDATE	12-21	Character	Date of birth (month/day/year)
AGE	22-27	Numeric	Age at the 1997 physical exam (years)
AGEGP	28-41	Character	Age at the 1997 physical exam [1) BORN < 1942; 2) BORN >= 1942]
AGEI	42	Numeric	Age at the 1997 physical exam [1 = born before 1942; 2 = born in or after 1942]
RACEGP	43-47	Character	Race [1) BL = Black; 2) NB = non-Black]
RACEI	48	Numeric	Race [1 = Black; 2 = non-Black]
OCCGRP	49-54	Character	Occupation [1) OFF = officer; 2) EFL = enlisted flyer; 3) EGC = enlisted groundcrew]
OCCI	55	Numeric	Occupation [1 = officer; 2 = enlisted flyer; 3 = enlisted groundcrew]
DRKYR	56-62	Numeric	Lifetime alcohol history (drink-years) [. = missing]
CALC	63-68	Numeric	Current alcohol use (drinks/day) [. = missing]
CALCGP	69-77	Character	Current alcohol use (drinks/day) [1) 0 – 1; 2) >1 – 4; 3) >4; ‘ ‘ = missing]
CALCI	78	Numeric	Current alcohol use (drinks/day) [1 = 0 – 1; 2 = >1 – 4; 3 = >4; . = missing]
DRKYRGP	79-88	Character	Lifetime alcohol history (drink-years) [1) 0; 2) >0 – 40; 3) >40; ‘ ‘ = missing]
DRKYRI	89	Numeric	Lifetime alcohol history (drink-years) [1 = 0; 2 = >0 – 40; 3 = >40; . = missing]
EDUCI	90	Numeric	Education [1 = college; 2 = high school or less; . = missing]
EDUCGP	91-104	Character	Education [1) COLLEGE; 2) HIGH SCHOOL (or less); ‘ ‘ = missing]
CURINC	105-110	Numeric	Current total household income (dollars) [. = missing]
CURINCI	111	Numeric	Current total household income [1 = ≥\$65,000; 2 = <\$65,000; . = missing]
CURINCGP	112-123	Character	Current total household income [1) <\$65,000; 2) ≥\$65,000; ‘ ‘ = missing]
CUREMPI	124	Numeric	Currently employed [1 = no; 2 = yes; . = missing]
CUREMPGP	125-130	Character	Current employment [1) YES; 2) NO; ‘ ‘ = missing]
MARRI	131	Numeric	Current marital status [1 = not married (includes living with partner); 2) married (includes separated); . = missing]
MARRGP	132-145	Character	Current marital status [1) MARRIED (includes separated); 2) NOT MARRIED (includes living with partner); ‘ ‘ = missing]
PARENTI	146	Numeric	Currently having a child under the age of 18 years [1 = yes; 2 = no; . = missing]
PARENTGP	147-152	Character	Currently having a child under the age of 18 years [1) YES; 2) NO; ‘ ‘ = missing]
HIV	153	Character	Tested positive for HIV [Y = yes; N = no]
ID	154	Character	Exposure group (for participants with a dioxin assay) [C = Comparison; R = Ranch Hand; ‘ ‘ = no dioxin assay]
REPORT	155-157	Character	Results of dioxin analysis (for participants with a dioxin assay and a good result) [G= good result; GND = good result, below limit of detection; ‘ ‘ = missing]
CURRENT	158-163	Numeric	1987 lipid-adjusted dioxin level (actual measurement or 1987 level extrapolated from dioxin measurement closest to time of duty in Southeast Asia - for participants with a dioxin assay and a good result) (parts per trillion (ppt)) [. = missing]
REPTYR	164-165	Character	Year from which assay is used for dioxin determination (for participants with a dioxin assay and a good result) [87 = 1987; 92 = 1992; 97 = 1997; P = pilot test (conducted in 1987) ; ‘ ‘ = missing]

Variable	Column	Variable Type	Comment
INITIAL	166-172	Numeric	Initial dioxin estimate (parts per trillion (ppt)), extrapolated from 1987 or recent lipid-weight dioxin measurement for Ranch Hands with a 1987 or recent measurement > 10 ppt [. = missing or not calculated]
LOGINIT	173-189	Numeric	Log (base 2) of initial dioxin for Ranch Hands with a 1987 or recent measurement > 10 ppt [. = missing or not calculated]
PBFBDBRW	190-204	Numeric	Body fat (percent) at time of dioxin blood draw for participants with a dioxin assay and a good result [. = missing]
LGINITGP	205-213	Character	Log (base 2) of initial dioxin for Ranch Hands with a 1987 or recent measurement > 10 ppt [1] LOW (initial dioxin: 27 - 63 ppt); 2) MEDIUM (initial dioxin: >63 – 152 ppt); 3) HIGH (initial dioxin: >152 ppt); ‘ ‘ = missing or not calculated]
LGINITI	214	Numeric	Log (base 2) of initial dioxin for Ranch Hands with a 1987 or recent measurement > 10 ppt [1 = low (initial dioxin: 27 - 63 ppt); 2 = medium (initial dioxin: >63 – 152 ppt); 3 = high (initial dioxin: >152 ppt); . = missing or not calculated]
DXCATGP	215-225	Character	Categorized dioxin [1) COMP<=10 (Comparisons: 1987 dioxin ≤ 10 ppt); 2) RH <=10 (background Ranch Hands: 1987 dioxin ≤ 10 ppt); 3) LOW RH (Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin >10 - 94 ppt); 4) HIGH RH (Ranch Hands: 1987 dioxin >10 ppt and initial dioxin > 94 ppt); ‘ ‘ = missing or Comparisons with 1987 dioxin > 10 ppt]
DXCAT2GP	226-236	Character	Categorized dioxin [a) RH <=10 (background Ranch Hands: 1987 dioxin ≤ 10 ppt); b) LOW RH (Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin >10 - 94 ppt); c) HIGH RH (Ranch Hands: 1987 dioxin >10 ppt and initial dioxin >94 ppt); d) COMP<=10 (Comparisons: 1987 dioxin ≤ 10 ppt); ‘ ‘ = missing or Comparisons with 1987 dioxin > 10 ppt]
DXCAT3GP	237-252	Character	Categorized dioxin [1) COMP<=10 (Comparisons: 1987 dioxin ≤ 10 ppt); 2) RH <=10 (background Ranch Hands: 1987 dioxin ≤ 10 ppt); 3) LOW + HIGH RH (Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin > 10 ppt); ‘ ‘ = missing or Comparisons with 1987 dioxin > 10 ppt]
DXCATI	253	Numeric	Categorized dioxin [1 = Comparisons: 1987 dioxin ≤ 10 ppt; 2 = background Ranch Hands: 1987 dioxin ≤ 10 ppt; 3 = low Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin >10 - 94 ppt; 4 = high Ranch Hands: 1987 dioxin >10 ppt and initial dioxin > 94 ppt; . = missing or Comparisons with 1987 dioxin > 10 ppt]
DXCAT2I	254	Numeric	Categorized dioxin [1 = background Ranch Hands: 1987 dioxin ≤ 10 ppt; 2 = low Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin >10 – 94 ppt; 3 = high Ranch Hands: 1987 dioxin >10 ppt and initial dioxin >94 ppt; 4 = Comparisons: 1987 dioxin ≤ 10 ppt; . = missing or Comparisons with 1987 dioxin > 10 ppt]
DXCAT3I	255	Numeric	Categorized dioxin [1 = Comparisons: 1987 dioxin ≤ 10 ppt; 2 = background Ranch Hands: 1987 dioxin ≤ 10 ppt; 3 = low plus high Ranch Hands: 1987 dioxin > 10 ppt and initial dioxin > 10 ppt; . = missing or Comparisons with 1987 dioxin > 10 ppt]
LGCURRG	256-264	Character	For Ranch Hands with a dioxin assay and a good result: [1] LOW (1987 dioxin: ≤ 7.9 ppt); 2) MEDIUM (1987 dioxin > 7.9 – 19.6 ppt); 3) HIGH (1987 dioxin > 19.6 ppt); ‘ ‘ = missing (includes Comparisons)]
LGCURRI	265	Numeric	For Ranch Hands with a dioxin assay and a good result: [1 = low (1987 dioxin: ≤ 7.9 ppt); 2 = medium (1987 dioxin: >7.9 – 19.6 ppt); 3 = high (1987 dioxin >19.6 ppt); . = missing (includes Comparisons)]

Variable	Column	Variable Type	Comment
LOGCURR	266-281	Numeric	Log (base 2) of (1987 dioxin + 1) for Ranch Hands with a dioxin assay and a good result [. = missing (includes Comparisons)]
PSYGP	282	Character	History of psychoses, verified by medical records [N = normal (no); A = abnormal (yes)]
ALCDGP	283	Character	History of alcohol dependence, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
DRUGGP	284	Character	History of drug dependence, verified by medical records [N = normal (no); A = abnormal (yes)]
ANXGP	285	Character	History of anxiety, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
NEUGP	286	Character	History of other neuroses, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
NEUDISGP	287	Character	History of neurotic disorder, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
ADJUSTGP	288	Character	History of adjustment reaction, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
DEPDISGP	289	Character	History of depressive disorder not elsewhere classified, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
MALFNCGP	290	Character	History of physiological malfunction arising from mental factors, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
NDPDRGGP	291	Character	History of nondependent abuse of drugs, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
PERDISGP	292	Character	History of personality disorder, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
SEXDEVG	293	Character	History of sexual deviations and disorders, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
SPSYMGP	294	Character	History of special symptoms or syndromes not elsewhere classified, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
STRESSGP	295	Character	History of acute reaction to stress, verified by medical records [N = normal (no); A = abnormal (yes); ‘ ‘ = pre-Southeast Asia condition]
PSYI	296	Numeric	History of psychoses verified by medical records, verified by medical records [1 = normal (no); 2 = abnormal (yes)]
ALCDI	297	Numeric	History of alcohol dependence, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
DRUGI	298	Numeric	History of drug dependence, verified by medical records [1 = normal (no); 2 = abnormal (yes)]
ANXI	299	Numeric	History of anxiety, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
NEUI	300	Numeric	History of other neuroses, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
NEUDISI	301	Numeric	History of neurotic disorder, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
ADJUSTI	302	Numeric	History of adjustment reaction, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
DEPDISI	303	Numeric	History of depressive disorder not elsewhere classified, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
MALFNCI	304	Numeric	History of physiological malfunction arising from mental factors, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]

Variable	Column	Variable Type	Comment
NDPDRGI	305	Numeric	History of nondependent abuse of drugs, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
PERDISI	306	Numeric	History of personality disorder, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
SEXDEVI	307	Numeric	History of sexual deviations and disorders, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
SPSYMI	308	Numeric	History of special symptoms or syndromes not elsewhere classified, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
STRESSI	309	Numeric	History of acute reaction to stress, verified by medical records [1 = normal (no); 2 = abnormal (yes); . = pre-Southeast Asia condition]
PREPSY	310	Character	Pre-Southeast Asia psychoses, verified by medical records [N = no]
PREALCD	311	Character	Pre-Southeast Asia alcohol dependence, verified by medical records [Y = yes; N = no]
PREDRUG	312	Character	Pre-Southeast Asia drug dependence, verified by medical records [N = no]
PREANX	313	Character	Pre-Southeast Asia anxiety, verified by medical records [Y = yes; N = no]
PRENEU	314	Character	Pre-Southeast Asia other neuroses, verified by medical records [Y = yes; N = no]
PRENEUDS	315	Character	Pre-Southeast Asia neurotic disorder, verified by medical records [Y = yes; N = no]
PREADJST	316	Character	Pre-Southeast Asia adjustment reaction, verified by medical records [Y = yes; N = no]
PREDEPDS	317	Character	Pre-Southeast Asia depression disorder not elsewhere classified, verified by medical records [Y = yes; N = no]
PREMLFNC	318	Character	Pre-Southeast Asia physiological malfunction arising from mental factors, verified by medical records [Y = yes; N = no]
PRENDPDG	319	Character	Pre-Southeast Asia nondependent abuse of drugs, verified by medical records [Y = yes; N = no]
PREPERDS	320	Character	Pre-Southeast Asia personality disorder, verified by medical records [Y = yes; N = no]
PRESEXDV	321	Character	Pre-Southeast Asia sexual deviations and disorders, verified by medical records [Y = yes; N = no]
PRESPSYM	322	Character	Pre-Southeast Asia special symptoms or syndromes not elsewhere classified, verified by medical records [Y = yes; N = no]
PRESTRSS	323	Character	Pre-Southeast Asia acute reaction to stress, verified by medical records [Y = yes; N = no]
ANXTGP	324	Character	SCL-90-R Anxiety [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
DEPTGP	325	Character	SCL-90-R Depression [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
HOSTGP	326	Character	SCL-90-R Hostility [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
INTTGP	327	Character	SCL-90-R Interpersonal sensitivity [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
OCTGP	328	Character	SCL-90-R Obsessive-compulsive behavior [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
PARATGP	329	Character	SCL-90-R Paranoid ideation [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
PHOBTGP	330	Character	SCL-90-R Phobic anxiety [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
PSYCTGP	331	Character	SCL-90-R Psychoticism [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]

Variable	Column	Variable Type	Comment
SOMTGP	332	Character	SCL-90-R Somatization [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
GSITGP	333	Character	SCL-90-R Global Severity Index (GSI) [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
PSTTGP	334	Character	SCL-90-R Positive Symptom Total (PST) [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
PSDITGP	335	Character	SCL-90-R Positive Symptom Distress Index (PSDI) [N = normal (T-score < 63); A = abnormal (high) (T-score ≥ 63); ‘ ‘ = refused exam]
ANXTI	336	Numeric	SCL-90-R Anxiety [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
DEPTI	337	Numeric	SCL-90-R Depression [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
HOSTI	338	Numeric	SCL-90-R Hostility [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
INTTI	339	Numeric	SCL-90-R Interpersonal sensitivity [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
OCTI	340	Numeric	SCL-90-R Obsessive-compulsive behavior [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
PARATI	341	Numeric	SCL-90-R Paranoid ideation [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
PHOBTI	342	Numeric	SCL-90-R Phobic anxiety [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
PSYCTI	343	Numeric	SCL-90-R Psychoticism [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
SOMTI	344	Numeric	SCL-90-R Somatization [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
GSITI	345	Numeric	SCL-90-R Global Severity Index (GSI) [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
PSTTI	346	Numeric	SCL-90-R Positive Symptom Total (PST) [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]
PSDITI	347	Numeric	SCL-90-R Positive Symptom Distress Index (PSDI) [1 = normal (T-score < 63); 2 = high (T-score ≥ 63); . = refused exam]